

ABSTRACT OF THE DISCLOSURE

An electronic device having a communication function comprises a section for setting predetermined information using a predetermined communication profile
5 from a plurality of communication profiles created based on setting information required for a communication used in a network, and performing communication connection according to the network setting, and a section for determining whether or not communication
10 connection by the means for performing communication connection has been successfully established, and selecting a communication profile optimal for a current network environment from the plurality of communication profiles when the connection has not been successfully
15 established, wherein the means for performing communication connection establishes communication connection using the selected communication profile.